

CFP-ES ENDO-SHIELD

Product description

- Hilti Endo-Shield is a high-temperature endothermic mat for passive fire protection of critical cable circuits, fuel lines, communication systems and many other MEP systems. It is the industry's first LBP (Low Bio Persistent) endothermic mat for passive fire protection. LBP materials allow fibers to more easily clear from the lungs compared to ceramic fibers, resulting in a safer non-carcinogenic product for the installer.

Applications for use

- Fire protection of critical infrastructure, circuits and Distributed Antenna Systems which should remain operational under fire conditions
- Fire protection of cables within conduits
- Help protect fuel oil piping from fire — such as for backup generators
- Providing a T-rating for conduit, EMT or pipe penetrations — such as through floors in electrical, data or mechanical rooms
- Fire protection of large membrane penetrations — such as recessed electrical boxes/panels in rated barriers, fire extinguisher cabinets or medical gas box outlet

Advantages

- Faster, easier fire protection — high flexibility and low weight makes Hilti endothermic mat a more efficient solution, especially for small diameter pipes
- Safer jobsites — CFP-ES Hilti Endo-Shield is made using non-carcinogenic LBP fibers, helping to remove a common safety hazard for installers
- Helps to lower total installed cost — this simpler method can translate to help reduce significant labor and time savings on-site compared to traditional fire protection solutions
- Extensive third-party performance verification — tested to ASTM E1725 for circuit integrity, UL1489 for fuel pipe protection and tested in accordance to UL1479 (ASTM E814) for membrane and through penetrations

Installation instructions

- See Hilti Literature or third-party listings for complete application and installation details

Technical Data

Application temperature range	14 °F to 122 °F (-10°C to 50°C)
Color	Silver
Density	32.6 lb/ft ³
Dimension	(L x W) 20 ft. x 2 ft.
Shelf life	Unlimited
Storage and transportation temperature range	-4 °F to 122 °F (-20°C to 50°C)
Surface burning characteristics (ASTM E 84)	Flame Spread: 0 Smoke Development: 5
Thickness	0.5 in.
Weight	54.4 lbs
Tested in accordance with	<ul style="list-style-type: none"> UL 1489 protection of fuel & oil piping system ASTM E1725 — circuit protection standard UL 1479 (ASTM E814) for membrane and through penetrations



Order Information

Designation	Qty per package	Item number
Hilti Endo-Shield CFP-ES	1 roll	2331829

Specified Divisions

Section 07 80 00	Fire and Smoke Protection
Section 07 84 00	Firestopping
Section 26 01 00	Operation & Maintenance of Electrical Systems
Section 27 20 00	Data Communications

	FILL, VOID OR CAVITY MATERIAL FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS SEE UL FIRE RESISTANCE DIRECTORY 66Y7
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	HILTI Inc. CFP-ES Endo-Shield CERTIFIED TO: ASTM E1725 UL 1489 Intertek C # 5020624 Refer to Intertek's Directory of Building Products for detailed information
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